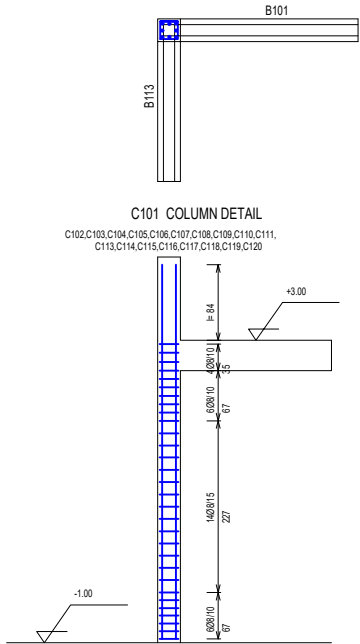
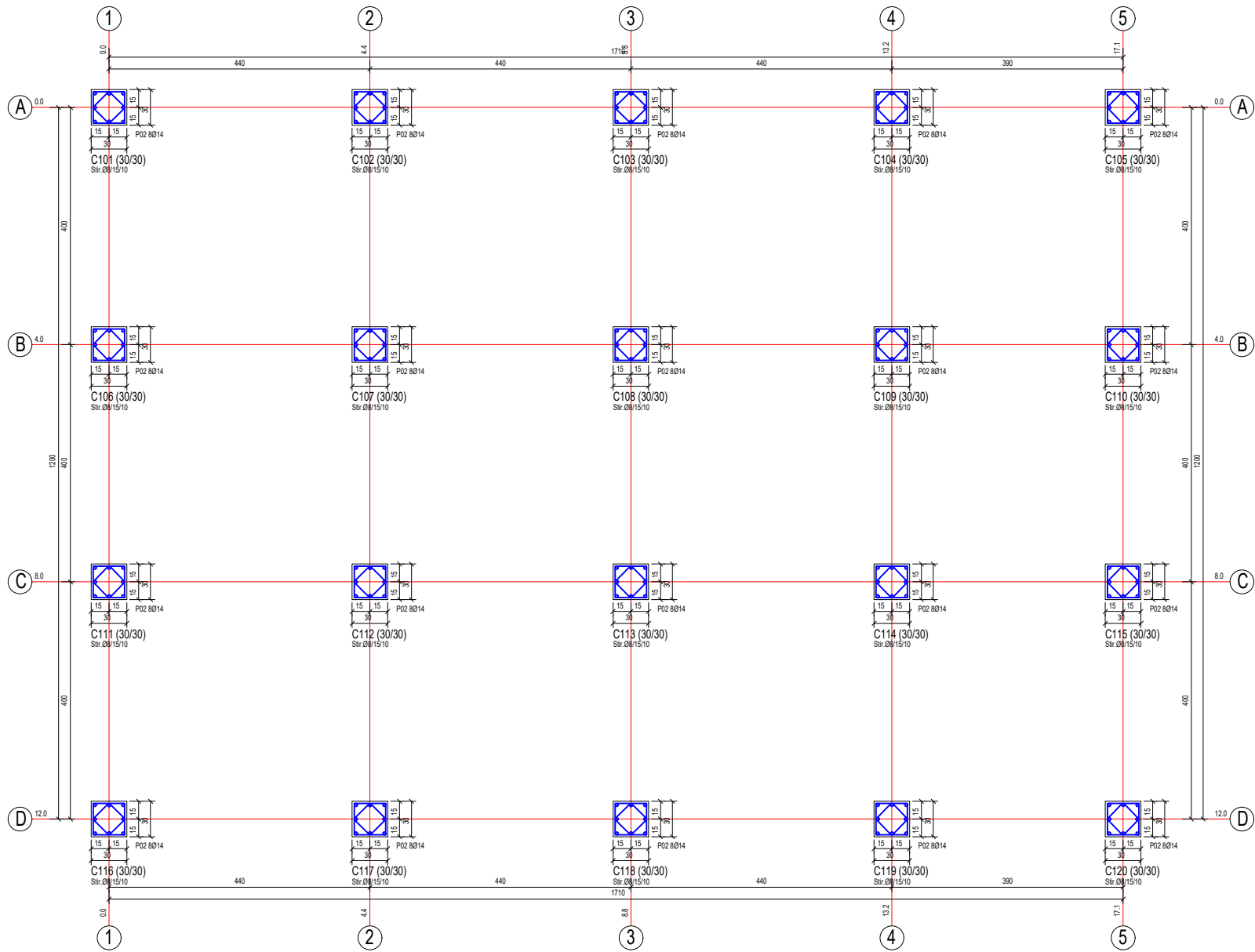


COLUMN
PLAN
K-01



Technical Notes:

Structural elements are calculated and designed with following characteristics:

Foundation: Foundations are designed with plinths:

- Concrete C-25/30 ($f_{ck}=25000\text{kN/m}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement S460A ($f_{yk}=460\text{N/mm}^2$) with safety factor $\gamma_s=1.15$

Concrete Walls & Columns: All walls & columns are designed with:

- Concrete C-25/30 ($f_{ck}=25000\text{kN/m}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement S460A ($f_{yk}=460\text{N/mm}^2$) with safety factor $\gamma_s=1.15$

Concrete Beams: Beams for all stories are designed with:

- Concrete C-25/30 ($f_{ck}=25000\text{kN/m}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement S460A ($f_{yk}=460\text{N/mm}^2$) with safety factor $\gamma_s=1.15$

Concrete Slab: Slabs for all stories are designed with:


- Concrete C-25/30 ($f_{ck}=25000\text{kN/m}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement S460A ($f_{yk}=460\text{N/mm}^2$) with safety factor $\gamma_s=1.15$


ITEM	MARK	DIA.	LENGTH	WEIGHT
160	P02	Ø14	484	934.9
600	P03	Ø8	96	227.5
600	P01	Ø8	124	293.9
				521.4

ITEM	MARK	DIA.	LENGTH	WEIGHT
160	P02	Ø14	484	934.9
600	P03	Ø8	96	227.5
600	P01	Ø8	124	293.9
				521.4

B.O.Q.

FORMWORK (m2) : 94.31
CONCRETE(m3) : 7.2
Ø 14-50 (kg) : 1457

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	Name		
Designed	Qinami	April 2018	
Drafted	Qinami	April 2018	
Checked		April 2018	
Project No.	213 - 68524		

Client	Ministry of Environment and Energy	
Project Title	Consultancy Services for Feasibility Study for an Integrated Solid Waste Management System for Zone III (including Greater Malé) and Preparation of Engineering Design of the Regional Waste Management Facility at Thilafushi	
Design phase	Detailed Design Harbour Rehabilitation	
Contents	Workshop Building - Column Plan +3.00	
Scale	1 : 50	
Drawing No.	4.2.2	Paper A3